

**WHAT IS CLAIMED IS:**

1. A recording medium having a data structure for managing multiple component data recorded on the recording medium, comprising:

a data area having at least one clip file of main component data and at least one clip file of auxiliary component data, the clip file of main component data and the clip file of auxiliary component data being separate clip files that are non-interleaved in the data area.

2. The recording medium of claim 1, wherein the auxiliary component data includes audio data.

3. The recording medium of claim 1, wherein the auxiliary component data includes subtitle data.

4. The recording medium of claim 1, wherein the auxiliary component data includes enhanced data.

5. The recording medium of claim 1, wherein the auxiliary component data includes Java data.

6. The recording medium of claim 1, wherein the auxiliary component data

includes html data.

7. The recording medium of claim 1, wherein the auxiliary component data includes xml data.

8. The recording medium of claim 1, wherein the auxiliary component data includes CGI data.

9. The recording medium of claim 1, wherein each clip file is divided into units of data, and boundaries between units of data indicating where reproduction is permitted to jump to a unit of data in a different clip file.

10. The recording medium of claim 9, wherein each unit of data includes at least one entry point of data.

11. The recording medium of claim 10, wherein each unit of data in a clip file has a same number of entry points.

12. The recording medium of claim 10, wherein at least two units data in a same clip file have different numbers of entry points.

13. The recording medium of claim 1, further comprising:  
a management area storing at least one entry point map associated with

each clip file stored on the recording medium, each entry point map identifying entry points in the data and including at least one flag, each flag associated with an entry point identifying whether jumping to another clip file is permitted in relation to the entry point.

14. The recording medium of claim 13, wherein the entry points having associated flags permitting a jump define the units of data in the associated clip file.

15. The recording medium of claim 13, wherein an active flag associated with an entry point indicates that jumping is permitted after reproducing the entry point having the associated active flag.

16. The recording medium of claim 13, wherein an active flag associated with an entry point indicates that jumping is permitted before reproducing the entry point having the associated active flag.

17. The recording medium of claim 1, wherein the data area has more than one clip file of auxiliary component data.

18. The recording medium of claim 17, wherein at least one of the clip files of auxiliary component data includes enhanced data.

19. A recording medium having a data structure for managing multiple component data recorded on the recording medium, comprising

a data area having at least one file of main component data and at least one file of auxiliary component data, the main component data file and the auxiliary component data file being separate clip files, and each of the main component data file and the auxiliary component data file being divided into units of data, boundaries between units of data indicating where reproduction is permitted to jump to a unit of data in a different file, and the units of data in the main component data file are not interleaved with the units of data in the auxiliary component data file.

20. The recording medium of claim 19, wherein the data area has more than one file of auxiliary component data.

21. The recording medium of claim 20, wherein at least one of the files of auxiliary component data includes enhanced data.

22. The recording medium of claim 19, wherein the file of auxiliary component data includes enhanced data.

23. A method of recording a data structure for managing reproduction of multiple component data on a recording medium, comprising:

recording at least one clip file of main component data and at least one

clip file of auxiliary component data on the recording medium, the clip file of main component data and the clip file of auxiliary component data being separate clip files that are non-interleaved on the recording medium.

24. A method of reproducing a data structure for managing reproduction of multiple component data recorded on a recording medium, comprising:

reproducing at least one clip file of main component data and at least one clip file of auxiliary component data from the recording medium, the clip file of main component data and the clip file of auxiliary component data being separate clip files that are non-interleaved on the recording medium.

25. An apparatus for recording a data structure for managing reproduction of multiple component data on a recording medium, comprising:

a driver for driving an optical recording device to record data on the recording medium;

a controller for controlling the driver to record at least one clip file of main component data and at least one clip file of auxiliary component data on the recording medium, the clip file of main component data and the clip file of auxiliary component data being separate clip files that are non-interleaved on the recording medium.

26. An apparatus for reproducing a data structure for managing reproduction of multiple component data recorded on a recording medium, comprising:

a driver for driving an optical reproducing device to reproduce data recorded on the recording medium;

a controller for controlling the driver to reproduce at least one clip file of main component data and at least one clip file of auxiliary component data from the recording medium, the clip file of main component data and the clip file of auxiliary component data being separate clip files that are non-interleaved on the recording medium.